

RAW SEQUENCE LISTING

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Information Center (STIC) no errors detected.**

Application Serial Number: 10/528,360
Source: PCT
Date Processed by STIC: 02/07/2006

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/528,360

DATE: 02/07/2006

TIME: 13:03:49

Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt
 Output Set: N:\CRF4\02012006\J528360.raw

3 <110> APPLICANT: SUGIYAMA, Haruo
 4 GOTOH, Masashi
 5 TAKASU, Hideo
 6 SAMIZO, Fumio
 7 KUSUNOSE, Naoto
 8 NAKATSUKA, Masashi
 10 <120> TITLE OF INVENTION: SUBSTITUTED TYPE PEPTIDES OF WT1
 12 <130> FILE REFERENCE: 0020-5357PUS1
 14 <140> CURRENT APPLICATION NUMBER: US 10/528,360
 15 <141> CURRENT FILING DATE: 2005-03-18
 17 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/011974
 18 <151> PRIOR FILING DATE: 2003-09-19
 20 <160> NUMBER OF SEQ ID NOS: 26
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 449
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Homo sapiens
 30 <400> SEQUENCE: 1
 31 Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro
 32 1 5 10 15
 34 Ser Leu Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala
 35 20 25 30
 37 Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr
 38 35 40 45
 40 Gly Ser Leu Gly Gly Pro Ala Pro Pro Ala Pro Pro Pro Pro
 41 50 55 60
 43 Pro Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly
 44 65 70 75 80
 46 Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe
 47 85 90 95
 49 Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe
 50 100 105 110
 52 Gly Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe
 53 115 120 125
 55 Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile
 56 130 135 140
 58 Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr
 59 145 150 155 160
 61 Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe
 62 165 170 175
 64 Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln
 65 180 185 190

CP9-6)

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67 Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser
68      195      200      205
70 Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp
71      210      215      220
73 Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln
74 225      230      235      240
76 Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser
77      245      250      255
79 Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu
80      260      265      270
82 Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile
83      275      280      285
85 His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro
86      290      295      300
88 Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys
89 305      310      315      320
91 Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys
92      325      330      335
94 Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro
95      340      345      350
97 Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp
98      355      360      365
100 Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln
101      370      375      380
103 Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr
104 385      390      395      400
106 His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys
107      405      410      415
109 Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val
110      420      425      430
112 Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu Gln Leu Ala
113      435      440      445
115 Leu
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120 <211> LENGTH: 9
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
126 Peptide
128 <400> SEQUENCE: 2
129 Cys Met Thr Trp Asn Gln Met Asn Leu
130 1 5
133 <210> SEQ ID NO: 3
134 <211> LENGTH: 9
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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140      Peptide
142 <400> SEQUENCE: 3
143 Cys Tyr Thr Trp Asn Gln Met Asn Leu
144   1           5
147 <210> SEQ ID NO: 4
148 <211> LENGTH: 9
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
154      Peptide
156 <220> FEATURE:
157 <221> NAME/KEY: Misc_Feature
158 <222> LOCATION: (1)..(1)
159 <223> OTHER INFORMATION: Xaa is Ser, Ala, Abu, Arg, Lys, Orn, Cit, Leu, Phe or Asn
161 <220> FEATURE:
162 <221> NAME/KEY: Misc_Feature
163 <222> LOCATION: (2)..(2)
164 <223> OTHER INFORMATION: Xaa is Tyr or Met
166 <400> SEQUENCE: 4
-> 167 Xaa Xaa Thr Trp Asn Gln Met Asn Leu
168   1           5
171 <210> SEQ ID NO: 5
172 <211> LENGTH: 9
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
178      Peptide
180 <400> SEQUENCE: 5
181 Ser Tyr Thr Trp Asn Gln Met Asn Leu
182   1           5
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 9
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192      Peptide
194 <400> SEQUENCE: 6
195 Ala Tyr Thr Trp Asn Gln Met Asn Leu
196   1           5
199 <210> SEQ ID NO: 7
200 <211> LENGTH: 9
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
206      Peptide

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208 <220> FEATURE:
209 <221> NAME/KEY: Misc_Feature
210 <222> LOCATION: (1)..(1)
211 <223> OTHER INFORMATION: Xaa is Abu
213 <400> SEQUENCE: 7
-> 214 Xaa Tyr Thr Trp Asn Gln Met Asn Leu
215     1             5
218 <210> SEQ ID NO: 8
219 <211> LENGTH: 9
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
225     Peptide
227 <400> SEQUENCE: 8
228 Arg Tyr Thr Trp Asn Gln Met Asn Leu
229     1             5
232 <210> SEQ ID NO: 9
233 <211> LENGTH: 9
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
239     Peptide
241 <400> SEQUENCE: 9
242 Lys Tyr Thr Trp Asn Gln Met Asn Leu
243     1             5
246 <210> SEQ ID NO: 10
247 <211> LENGTH: 9
248 <212> TYPE: PRT
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
253     Peptide
255 <220> FEATURE:
256 <221> NAME/KEY: Misc_Feature
257 <222> LOCATION: (1)..(1)
258 <223> OTHER INFORMATION: Xaa is Orn
260 <400> SEQUENCE: 10
-> 261 Xaa Tyr Thr Trp Asn Gln Met Asn Leu
262     1             5
265 <210> SEQ ID NO: 11
266 <211> LENGTH: 9
267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
272     Peptide
274 <220> FEATURE:

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275 <221> NAME/KEY: Misc_Feature
276 <222> LOCATION: (1)..(1)
277 <223> OTHER INFORMATION: Xaa is Cit
279 <400> SEQUENCE: 11
-> 280 Xaa Tyr Thr Trp Asn Gln Met Asn Leu
281   1           5
284 <210> SEQ ID NO: 12
285 <211> LENGTH: 9
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
291   Peptide
293 <400> SEQUENCE: 12
294 Leu Tyr Thr Trp Asn Gln Met Asn Leu
295   1           5
298 <210> SEQ ID NO: 13
299 <211> LENGTH: 9
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
305   Peptide
307 <400> SEQUENCE: 13
308 Phe Tyr Thr Trp Asn Gln Met Asn Leu
309   1           5
312 <210> SEQ ID NO: 14
313 <211> LENGTH: 9
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319   Peptide
321 <400> SEQUENCE: 14
322 Asn Tyr Thr Trp Asn Gln Met Asn Leu
323   1           5
326 <210> SEQ ID NO: 15
327 <211> LENGTH: 9
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
333   Peptide
335 <400> SEQUENCE: 15
336 Ser Met Thr Trp Asn Gln Met Asn Leu
337   1           5
340 <210> SEQ ID NO: 16
341 <211> LENGTH: 9
342 <212> TYPE: PRT

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/528,360

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Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt
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Base Note:

One or more n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

I#4; Xaa Pos. 1/2
I#7; Xaa Pos. 1/
I#10; Xaa Pos. 1/
I#11; Xaa Pos. 1
I#17; Xaa Pos. 1
I#20; Xaa Pos. 1
I#21; Xaa Pos. 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/528,360

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Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt

Output Set: N:\CRF4\02012006\J528360.raw

167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0